Ormco

Interoffice Memorandum

From: Eric Chapoulaud

To: Albert Ruiz-Vela

Date: October 6, 1997

Subject: Monthly Report – September 1997
Product Development
& Engineering

INFORMATION –

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ORTHODONTIC PRODUCTS

RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS

CustomR$_x$ CUSTOM LABIAL APPLIANCE SYSTEM (Project 853-E Craig Andreiko/Eric Chapoulaud)

    a.   Lab Reopening (Craig Andreiko)

        1)   Accomplishments / Status

               ☑   Our set-up program is now able to design the mandibular set-up, using scanned 3D images of the lower jaw.

               ☑   Maxillary Case assembly was halted due to unreliable operation of the 3D wax printer. Priority was set to develop the set-up software.

        2)   Goals For November

               ☐   Improve the set-up design rules using our new 3D approach, and verify these new rules with our PK Thomas case and the standard mal-positionned case.

               ☐   Adapt the appliance design software to the new set-up functions.

               ☐   Design and manufacture Jigs for the Mandibular set-up.

               ☐   Improve the teeth 3D modelisation for appearance and speed.

        3)   Major Project Milestone

ORM053896

◎ Lower/upper setup for the PK Thomas case: November 97

b. 3D Digitizing (Eric Chapoulaud)

    1) Accomplishments / Status
- ☑ No Action this month
- ☑ A backslash problem was detected in the Z Axis of the scanner. A Newport technician was called upon to repair the axis.

    2) Goals For November
- ☐ Reinstall the repaired Z axis. Realign the Z axis to the correct position.
- ☐ Recalibrate the Scanner, using standard procedure.
- ☐ Scan a standard mal-positionned case, to use as test data with the new set-up software being developed.

    3) Major Project Milestone
- ◎ First Clinical case scan: November 97.

c. Bracket Fabrication (Eric Chapoulaud)

    1) Accomplishments / Status
- ☑ Hardware upgrade of the ModelMaker II was installed by Sanders.
- ☑ Printed better quality parts.
- ☑ Slicing Software upgrade for better reliability.

    2) Goals For November
- ☐ Print and cast parts to improve the process.

    3) Major Project Milestone
- ◎ Reliable printing operation: January 98.

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